# Erick Vázquez

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(55) 2526 7770 • Currently living in Mexico City and Cuernavaca, Morelos

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30 years, single, travel availability, passport, drivers license, american and canadian tourist visas.

## EDUCATION

**Instituto Politécnico Nacional**
Computer engineering
2010 - 2015 | License 10347988

## SKILLS

### INTELLECTUAL PROPERTY
Patents, Utility Models and Industrial Designs, Software Licenses, State-of-the-Art Searches, Trademark Registration, Copyright.

### ELECTRONICS
Schemmatic and PCB design, Soldering, SMT, Lab Equiment, Maintenance and correction of circuits, Production management, Electrical and grounding Systems, Microcontrollers, FreeRTOS.

### SOFTWARE
Over de 5000 lineas:
C, C++, C#, LaTeX, HTML5, CSS, PHP, Python, JavaScript, MySQL.
Technologies:
Unix, AMI, Ubuntu Server, Debian, VCS (Github), AWS, Bootstrap, MQTT, Android

### COMPUTER NETWORKS
Requirements, structured cabling, subnetting IPv4 and IPv6, Technical reports, Quotes BOMs, physical implementation.

### GRAPHIC DESIGN
Branding, Vector Art and Animation, Screen Printing, interface design, 3D modeling, post-production, audio and video.

## IDIOMAS

**SPANISH - ENGLISH - JAPANESE**

*Native lenguage - B2 level - 4 Courses (1 year)*

## RECONOCIMIENTOS

2 Acknowledgments, 1 Volunteering
24 Independent Courses
IEEE Member since 2016

## TECHNICAL REPRESENTATIVE
1 Year 1 Month | Jun 2016 – Aug 2016 | Ahorratec.org
*Ahorratec, a technology startup, I started the project with the intention of applying the TRL methodology of NASA, and to participate in the Fund of Technological Innovation 2017.*

- I designed an online monitoring system (**link**).
- Deployment of the information system along its SEO optimization online.
- Management of component suppliers abroad (United States, England and China.)
- Recruitment and selection of personnel for the launch of the platform.
- State-of-the-Art/Patent Searches (IMPI) and Market Validations.
- Deployment of hosting VPS Amazon Web-services (EC2, S3, Route 53)
- Development of the Ahorratec app for Android, published at GooglePlay (**link**)
- I closed the project due to the çall for projects"not being published by CONACYT.

## PROJECT LEADER
7 Months | Oct 2015 - May 2016 | SEPI ESIME Zacatenco
*ESIME SEPI IPN, I offered the installation of the telecommunications room and the trace of electrical plans in a 600m$^2$ industrial warehouse as part of my social service.*

- Wrote the preliminary project, quotes and selection of personnel
- Coordinated a team (8 people), under the standard TIA-568B (46 nodes).
- Electrical and single-plane survey of a three-phase system (using ANCE).

## PROJECT ENGINEERING ASSISTANT
8 Meses | Jun 2014 – Feb 2015 | Museo interactivo de economía
*Part of the Bank of Mexico, I started working by recommendation to support the museum in the development of hardware and software for exhibitions within Museum.*

- Component acquisition with manufacturers abroad.
- Designed and built a charging circuit of 4 iPad Air simultaneously.
- Updated art exhibitions based on AVR micro controllers
- Design of led panels and moldings for room lights controlled by PWM.
- Developed, an automated teller machine using MEI CF7000 and SCI6628R, currently used in the exhibition  say Print your ticket.
- I left the job the last year of my career, to face the last 2 semesters, Research Thesis and Social Service in time and form.

## BRANCH MANAGER
4 Years 8 Months | Apr 2006 - Dec 2010 | Corsetería Petite Juliet
*Small Business specialized in women clothing, Worked during the morning shift and as general manager with one employee.*

- Counter sales, invoicing, inventories, customer service, and returns.
- Support in administrative activities.
- Development of a local inventory control system.
- Branding and identity creation (Logo, uniforms, and advertising campaigns).
- I finished the relationship, to dedicate full time to my Bachelor degree studies

## RESEARCH

| 2016 | Conference | *Congreso Internacional de Innovación y Desarrollo Tecnológico* (**link**) |
| 2016 | Thesis | *Escuela Superior de Ingeniería Mecánica y Eléctrica* (**link**) |
| 2014 | Publication | *AutoDesk Instructables* (**link**) |